BRUHAT BANGALORE MAHANAGARA PALIKE

Name Of Work:- Construction of Roads and Drains in Choudappa layout in Ward No. 17

Code : **EST Cost 90.00 Lakhs**

Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount
Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02m3 in volume and stack piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separately complete as per directions of Engineer in charge.(PWD,CSR 2021-22. Vol -3, Pg No-10, I. No-2.19)								
	Cum	1	110.00	1.50	0.30	115.50		
Basic Rate	422.00					**115.50**	464.20	53616.00
Add 10% Area weightage	42.20							
Total	**464.20**							
Earth work excavation by manual means for drains,canals and similar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, re- moval of stumps and other deleterious matter, excavated surface lev eled and sides neatly dressed disposing off the excavated stuff or sort ing & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.In all kinds of soils Depth upto 1.5 m. complete as per directions of Engineer in charge. (PWD,CSR 2021-22. Vol -1, Pg No-5, I. No-1.4.1)								
For Drain Desilting								
Choudappa layout Main road	Cum	1	82.50	0.60	0.35	17.33		
main road RHS		1	110.00	0.60	0.35	23.10		
main road LHS		1	115.00	0.60	0.35	24.15		
Main road		1	130.00	0.60	0.35	27.30		
For New Drain Work								
Signapura- 10066		2	112.00	0.90	0.90	181.42		
C.C Road								
Signapura- 10066		1	112.00	4.30	0.30	144.48		
Cross Road-1-W0040	Cum	1	82.50	4.25	0.30	105.19		
Cross road-2-W0036		1	110.00	3.75	0.30	123.75		
Cross road-3-W0034		1	115.00	4.25	0.30	146.63		
Cross Road---		1	78.85	4.25	0.30	100.53		
Main road		1	130.00	4.25	0.30	165.75		
Basic Rate	186.00					**1059.62**	204.60	216798.00
Add 10% Area weightage	18.60							
Total	**204.60**							
3 Loading and Unloading of Stone Boulder/ Stone aggregates/Sand/Kankar/Moorum. (Tipper 10 m3) complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -3, Pg No-3, I. No-1.1)								
	Cum	Qty vide Item No 1+2				1175.12		
Basic Rate	83.00					**1175.12**	91.30	107289.00
Add 10% A.W	8.30							
Total	**91.30**							
4 Cost of Haulage Excluding Loading and Unloading Case-1 : Surfaced Road (Taking output 10 tonnes load and lead 10 km = 100 t.km) complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -3, Pg No-3, I. No-1.4A)								
10 Km X 1.28t of item No 3	**T/km**	1	10.00	1175.12	1.28	15041.55		

Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount
Basic Rate	12.00					15041.55	13.20	198548.46
Add 10% A.W	1.20							
Total	**13.20**							

Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:4:8/ WC 0.6 using 40 mm and down size graded crushed coarse aggregates complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -1, Pg No-15, I. No-2.1.2)

	Cum	2	112.00	0.90	0.15	30.24		
Basic Rate	5206.00					30.24	5726.60	173172.00
Add 10% Area weightage	520.60							
Total	**5726.60**							

Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm and down size graded crushed coarse aggregates complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -1, Pg No-17, I. No-2.4.2)

Drain Btm	**Cum**	2	112.00	0.90	0.15	30.24		
Walls		4	112.00	0.15	0.60	40.32		
Basic Rate	5968.00					70.56	6564.80	463212.00
Add 10% Area weightage	596.80							
Total	**6564.80**							

7 Appendix I – Additionalities for Formwork, Centering & Scaffolding
2.Foundation, Sub structure of Cross drainages 5% complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -1, Pg No-115, I. No-2)

Basic Rate	5968.00	Qty Vide Item no 3				70.56	328.24	23161.00
Formwork, Centering & Scaffolding5%	**298.40**							
Add 10% Area weightage	**29.84**							
	328.24							

8 Supplying, Fitting and Placing TMT Fe 500 & above Reinforcement in Foundation/Substructure/Superstructure complete as per Drawing and Technical Specifications..complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -1, Pg No-71, I. No-9.3)

T.M.T steel for reinforcement (45Kg/Cum)		1	70.56	45.00	/ 1000	3175.20		
	MT		tonne	3175.20		3.18	78852.40	250772.00
Basic Rate	71684.00							
Add 10% Area weightage	7168.40							
Total	**78852.40**							

	Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount
	Providing and laying 100mm thick pre-cast cover slabs over Rain water harvesting pit of width not exceeding 1000 mm using M20 concrete reinforced with TMT bars Fe 500 @ 6kg/m2, slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in the Cover slabs wherever necessary for easy drainage of surface water including: of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete.								
		Sqm	1	251.25	0.60		150.75		
							150.75	1225.40	184726.00
	Data Rate	**1114.00**							
	Add 10% Area weightage	111.40							
	Total	**1225.40**							
	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density .complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -3, Pg No-24, I. No-4.27)								
	Signapura- IO066		1	112.00	4.30	0.15	72.24		
	Cross Road-1-WO040		1	82.50	4.25	0.15	52.59		
	Cross road-2-WO036	Cum	1	110.00	3.75	0.15	61.88		
	Cross road-3-WO034		1	115.00	4.25	0.15	73.31		
	Cross Road---		1	78.85	4.25	0.15	50.27		
	Main road		1	130.00	4.25	0.15	82.88		
	Basic Rate	2394.00					**393.16**	2633.40	1035356.00
	Add 10% Area weightage	239.40							
	Total	**2633.40**							
11	Dry Lean Cement Concrete Sub- base Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ m3, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 t vibratory roller, finishing and curing. (PWD,CSR 2021-22. Vol -3, Pg No-46, I. No-6.1)								
	Signapura- IO066		1	112.00	4.30	0.15	72.24		
	Cross Road-1-WO040		1	82.50	4.25	0.15	52.59		
	Cross road-2-WO036		1	110.00	3.75	0.15	61.88		
	Cross road-3-WO034		1	115.00	4.25	0.15	73.31		
	Cross Road---		1	78.85	4.25	0.15	50.27		
	Main road		1	130.00	4.25	0.15	82.88		
	Basic Rate	4025.00					**393.16**	4427.50	1740730.00
	Add 10% Area weightage	402.50							
	Total	**4427.50**							

Sl No	Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount
12	Cement concrete pavementProviding and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14-days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work. (PWD,CSR 2021-22. Vol -3, Pg No-138, I. No-20.29)								
	Signapura- IO066	Cum	1	112.00	4.30	0.15	72.24		
	~~20th~~ Cross-WO 274 040		1	82.50	4.25	0.15	52.59		
	~~21st~~ cross-WO 276 036		1	110.00	3.75	0.15	61.88		
	~~22nd~~ coss-WO 278 034		1	115.00	4.25	0.15	73.31		
	Cross Road---		1	78.85	4.25	0.15	50.27		
	Main road		1	130.00	4.25	0.15	82.88		
							393.16	7163.20	2816306.00
	Basic Rate	6512.00							
	Add 10% Area weightage	651.20							
	Total	7163.20							
								SUB TOTAL	7263286.00
								Add Tender Primium charges @ 5%	363164.30
								GST 18%	1372761.05
								Micelleneous and rounding off	788.65
								TOTAL	9000000.00

ದೃಢೀಕರಣ

1. ಸದರಿ ಅಂದಾಜು ಪಟ್ಟಿಯಲ್ಲಿ ಪ್ರಸ್ತಾಪಿಸಿರುವ ರಸ್ತೆಗಳ ಅಭಿವೃದ್ಧಿ ಈ ಹಿಂದೆ ಯಾವುದೇ ಅನುದಾನದಲ್ಲಿ ಪ್ರಸ್ತಾಪಿಸಿರುವುದಿಲ್ಲ. ಹಾಗೂ ಪುನರಾವರ್ತನೆಯಾಗಿರುವುದಿಲ್ಲ ಎಂದು ದೃಢೀಕರಿಸಿದೆ.
2. ಸದರಿ ಪ್ರಸ್ತಾಪಿಸಿರುವ ರಸ್ತೆಗಳು DLP ಅವಧಿಯಲ್ಲಿರುವ ರಸ್ತೆಗಳಲ್ಲಿ ಸೇರಿರುವುದಿಲ್ಲ.
3. ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಪಿ.ಡಬ್ಲ್ಯೂ.ಡಿ ಎಸ್.ಆರ್-2021-22ನೇ ಸಾಲಿನ ದರಗಳನ್ವಯ ತಯಾರಿಸಲಾಗಿದೆ ಹಾಗೂ Approved Data Rate ಅನ್ವಯ ತಯಾರಿಸಲಾಗಿದೆ.
4. ಸದರಿ ಕಾಮಗಾರಿಯಲ್ಲಿ ಪ್ರಸ್ತಾಪಿಸಿರುವ ರಸ್ತೆಗಳ ಅಭಿವೃದ್ಧಿಯು ತುಂಬಾ ಅವಶ್ಯಕವಾಗಿರುತ್ತದೆ.
5. ಎಲ್ಲಾ ರಸ್ತೆಗಳು ಬಿಬಿಎಂಪಿಯ ಸರಹದ್ದಿನಲ್ಲಿರುತ್ತದೆ.

"counter signed"

Assistant Engineer
Ward No 12

Assistant Executive Engineer
Shetty Halli Sub Division

Executive Engineer
Dasarahalli Division

ADMINISTRATIVELY SANCTIONED FOR 90.00 Lakhs
(Rupees Ninety Lakhs Only)
Under the Head of Account P-3726
Subject 32
Registered as CE No. EE/Das/AE/32/22-27 Dt. 12/4/22
to conditions contained in Enclosed Memo
Executive Engineer
(DASARAHALLI) BBMP
AE/AE

Technically Sanctione for Rs. 90.00 Lakhs
Rs. in words Ninety Lakhs Only
Under POB - 2022-23 P-3726
Job Code No. 23/2022-23
Registered as CE No. CE/D2/TS/23/22-23 Dt. 21/11/22
to conditions contained in Enclosure
AE/JE: